



PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/807,452

DATE: 06/04/2002

TIME: 15:07:27

Input Set : A:\pf0619usn_sequence listing.txt

Output Set: N:\CRF3\06042002\I807452.raw

4 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
 5 TANG, Y. Tom
 6 YUE, Henry
 7 HILLMAN, Jennifer L.
 8 GUEGLER, Karl J.
 9 CORLEY, Neil C.
 10 LAL, Preeti
 11 AZIMZAI, Yalda
 12 BAUGHN, Mariah R.
 13 JUNMING, Yang
 14 SHIH, Leo L.
 16 <120> TITLE OF INVENTION: PROLIFERATION AND APOPTOSIS RELATED PROTEINS
 18 <130> FILE REFERENCE: PF-0619 PCT
 C--> 20 <140> CURRENT APPLICATION NUMBER: US/09/807,452
 C--> 21 <141> CURRENT FILING DATE: 2002-04-17
 23 <150> PRIOR APPLICATION NUMBER: 09/175,737; unassigned; 60/118,559; 09/249,740;
 unassigned;
 W--> 24 60/154,336
 W--> 25 <151> PRIOR FILING DATE: 1998-10-20; 1998-10-20; 1999-02-04; 1999-04-11; 1999-04-11;
 W--> 26 1999-04-22
 28 <160> NUMBER OF SEQ ID NOS: 44
 30 <170> SOFTWARE: PERL Program
 32 <210> SEQ ID NO: 1
 33 <211> LENGTH: 334
 34 <212> TYPE: PRT
 35 <213> ORGANISM: Homo sapiens
 37 <220> FEATURE:
 38 <221> NAME/KEY: misc_feature
 39 <223> OTHER INFORMATION: Incyte ID No: 1342011CD1
 41 <400> SEQUENCE: 1
 42 Met Ser Arg Thr Met Ala Arg Thr Arg Pro Gly Gln Leu Gly Arg
 43 1 5 10 15
 44 Val Thr Gly Ala Gly Gly Trp Gly Ser Ala Ala Val Cys Arg Gly
 45 20 25 30
 46 Arg Ala Leu Arg Gly Arg Glu Pro Ala Leu Pro Ser Ala Ser Phe
 47 35 40 45
 48 Pro Asp Val Ala Ala Cys Pro Gly Ser Leu Asp Cys Ala Leu Lys
 49 50 55 60
 50 Arg Arg Ala Arg Cys Pro Pro Gly Ala His Ala Cys Gly Pro Cys
 51 65 70 75
 52 Leu Gln Pro Phe Gln Glu Asp Gln Gln Gly Leu Cys Val Pro Arg
 53 80 85 90
 54 Met Arg Arg Pro Pro Gly Gly Arg Pro Gln Pro Arg Leu Glu
 55 95 100 105

ENTERED

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/807,452

DATE: 06/04/2002
TIME: 15:07:27

Input Set : A:\pf0619usn_sequence listing.txt
Output Set: N:\CRF3\06042002\I807452.raw

56	Asp	Glu	Ile	Asp	Phe	Leu	Ala	Gln	Glu	Leu	Ala	Arg	Lys	Glu	Ser
57					110				115					120	
58	Gly	His	Ser	Thr	Pro	Pro	Leu	Pro	Lys	Asp	Arg	Gln	Arg	Leu	Pro
59					125				130					135	
60	Glu	Pro	Ala	Thr	Leu	Gly	Phe	Ser	Ala	Arg	Gly	Gln	Gly	Leu	Glu
61					140				145					150	
62	Leu	Gly	Leu	Pro	Ser	Thr	Pro	Gly	Thr	Pro	Thr	Pro	Thr	Pro	His
63					155				160					165	
64	Thr	Ser	Leu	Gly	Ser	Pro	Val	Ser	Ser	Asp	Pro	Val	His	Met	Ser
65					170				175					180	
66	Pro	Leu	Glu	Pro	Arg	Gly	Gly	Gln	Gly	Asp	Gly	Leu	Ala	Leu	Val
67					185				190					195	
68	Leu	Ile	Leu	Ala	Phe	Cys	Val	Ala	Gly	Ala	Ala	Ala	Leu	Ser	Val
69					200				205					210	
70	Ala	Ser	Leu	Cys	Trp	Cys	Arg	Leu	Gln	Arg	Glu	Ile	Arg	Leu	Thr
71					215				220					225	
72	Gln	Lys	Ala	Asp	Tyr	Ala	Thr	Ala	Lys	Ala	Pro	Gly	Ser	Pro	Ala
73					230				235					240	
74	Ala	Pro	Arg	Ile	Ser	Pro	Gly	Asp	Gln	Arg	Leu	Ala	Gln	Ser	Ala
75					245				250					255	
76	Glu	Met	Tyr	His	Tyr	Gln	His	Gln	Arg	Gln	Gln	Met	Leu	Cys	Leu
77					260				265					270	
78	Glu	Arg	His	Lys	Glu	Pro	Pro	Lys	Glu	Leu	Asp	Thr	Ala	Ser	Ser
79					275				280					285	
80	Asp	Glu	Glu	Asn	Glu	Asp	Gly	Asp	Phe	Thr	Val	Tyr	Glu	Cys	Pro
81					290				295					300	
82	Gly	Leu	Ala	Pro	Thr	Gly	Glu	Met	Glu	Val	Arg	Asn	Pro	Leu	Phe
83					305				310					315	
84	Asp	His	Ala	Ala	Leu	Ser	Ala	Pro	Leu	Pro	Ala	Pro	Ser	Ser	Pro
85					320				325					330	
86	Pro	Ala	Leu	Pro											
89	<210>	SEQ	ID	NO:	2										
90	<211>	LENGTH:	281												
91	<212>	TYPE:	PRT												
92	<213>	ORGANISM:	Homo sapiens												
94	<220>	FEATURE:													
95	<221>	NAME/KEY:	misc_feature												
96	<223>	OTHER INFORMATION:	Incyte ID No:	1880041CD1											
98	<400>	SEQUENCE:	2												
99	Met	Ala	Val	Asn	Val	Tyr	Ser	Thr	Ser	Val	Thr	Ser	Glu	Asn	Leu
100	1				5				10				15		
101	Ser	Arg	His	Asp	Met	Leu	Ala	Trp	Val	Asn	Asp	Ser	Leu	His	Leu
102					20				25				30		
103	Asn	Tyr	Thr	Lys	Ile	Glu	Gln	Leu	Cys	Ser	Gly	Ala	Ala	Tyr	Cys
104					35				40				45		
105	Gln	Phe	Met	Asp	Met	Leu	Phe	Pro	Gly	Cys	Val	His	Leu	Arg	Lys
106					50				55				60		
107	Val	Lys	Phe	Gln	Ala	Lys	Leu	Glu	His	Glu	Tyr	Ile	His	Asn	Phe
108					65				70				75		

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/807,452

DATE: 06/04/2002
TIME: 15:07:27

Input Set : A:\pf0619usn_sequence listing.txt
Output Set: N:\CRF3\06042002\I807452.raw

109 Lys Val Leu Gln Ala Ala Phe Lys Lys Met Gly Val Asp Lys Ile
 110 80 85 90
 111 Ile Pro Val Glu Lys Leu Val Lys Gly Lys Phe Gln Asp Asn Phe
 112 95 100 105
 113 Glu Phe Ile Gln Trp Phe Lys Lys Phe Phe Asp Ala Asn Tyr Asp
 114 110 115 120
 115 Gly Lys Asp Tyr Asn Pro Leu Leu Ala Arg Gln Gly Gln Asp Val
 116 125 130 135
 117 Ala Pro Pro Pro Asn Pro Gly Asp Gln Ile Phe Asn Lys Ser Lys
 118 140 145 150
 119 Lys Leu Ile Gly Thr Ala Val Pro Gln Arg Thr Ser Pro Thr Gly
 120 155 160 165
 121 Pro Lys Asn Met Gln Thr Ser Gly Arg Leu Ser Asn Val Ala Pro
 122 170 175 180
 123 Pro Cys Ile Leu Arg Lys Asn Pro Pro Ser Ala Arg Asn Gly Gly
 124 185 190 195
 125 His Glu Thr Asp Ala Gln Ile Leu Glu Leu Asn Gln Gln Leu Val
 126 200 205 210
 127 Asp Leu Lys Leu Thr Val Asp Gly Leu Glu Lys Glu Arg Asp Phe
 128 215 220 225
 129 Tyr Phe Ser Lys Leu Arg Asp Ile Glu Leu Ile Cys Gln Glu His
 130 230 235 240
 131 Glu Ser Glu Asn Ser Pro Val Ile Ser Gly Ile Ile Gly Ile Leu
 132 245 250 255
 133 Tyr Ala Thr Glu Glu Gly Phe Ala Pro Pro Glu Asp Asp Glu Ile
 134 260 265 270
 135 Glu Glu His Gln Gln Glu Asp Gln Asp Glu Tyr
 136 275 280
 139 <210> SEQ ID NO: 3
 140 <211> LENGTH: 237
 141 <212> TYPE: PRT
 142 <213> ORGANISM: Homo sapiens
 144 <220> FEATURE:
 145 <221> NAME/KEY: misc_feature
 146 <223> OTHER INFORMATION: Incyte ID No: 3201881CD1
 148 <400> SEQUENCE: 3
 149 Met Gly Glu Asp Ala Ala Gln Ala Glu Lys Phe Gln His Pro Gly
 150 1 5 10 15
 151 Ser Asp Met Arg Gln Glu Lys Pro Ser Ser Pro Ser Pro Met Pro
 152 20 25 30
 153 Ser Ser Thr Pro Ser Pro Ser Leu Asn Leu Gly Asn Thr Glu Glu
 154 35 40 45
 155 Ala Ile Arg Asp Asn Ser Gln Val Asn Ala Val Thr Val Leu Thr
 156 50 55 60
 157 Leu Leu Asp Lys Leu Val Asn Met Leu Asp Ala Val Gln Glu Asn
 158 65 70 75
 159 Gln His Lys Met Glu Gln Arg Gln Ile Ser Leu Glu Gly Ser Val
 160 80 85 90
 161 Lys Gly Ile Gln Asn Asp Leu Thr Lys Leu Ser Lys Tyr Gln Ala

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/807,452

DATE: 06/04/2002
TIME: 15:07:27

Input Set : A:\pf0619usn_sequence listing.txt
Output Set: N:\CRF3\06042002\I807452.raw

162	95	100	105
163	Ser Thr Ser Asn Thr Val Ser Lys Leu Leu Glu Lys Ser Arg Lys		
164	110	115	120
165	Val Ser Ala His Thr Arg Ala Val Lys Glu Arg Met Asp Arg Gln		
166	125	130	135
167	Cys Ala Gln Val Lys Arg Leu Glu Asn Asn His Ala Gln Leu Leu		
168	140	145	150
169	Arg Arg Asn His Phe Lys Val Leu Ile Phe Gln Glu Glu Asn Glu		
170	155	160	165
171	Ile Pro Ala Ser Val Phe Val Lys Gln Pro Val Ser Gly Ala Val		
172	170	175	180
173	Glu Gly Lys Glu Glu Leu Pro Asp Glu Asn Lys Ser Leu Glu Glu		
174	185	190	195
175	Thr Leu His Thr Val Asp Leu Ser Ser Asp Asp Asp Leu Pro His		
176	200	205	210
177	Asp Glu Glu Ala Leu Glu Asp Ser Ala Glu Glu Lys Val Gly Arg		
178	215	220	225
179	Ser Pro Arg Gly Arg Glu Ile Lys Arg Ser Arg Pro		
180	230	235	
183	<210> SEQ ID NO: 4		
184	<211> LENGTH: 941		
185	<212> TYPE: PRT		
186	<213> ORGANISM: Homo sapiens		
188	<220> FEATURE:		
189	<221> NAME/KEY: misc_feature		
190	<223> OTHER INFORMATION: Incyte ID No: 939000CD1		
192	<400> SEQUENCE: 4		
193	Met Asn Lys Lys Lys Pro Phe Leu Gly Met Pro Ala Pro Leu		
194	1 5 10 15		
195	Gly Tyr Val Pro Gly Leu Gly Arg Gly Ala Thr Gly Phe Thr Thr		
196	20 25 30		
197	Arg Ser Asp Ile Gly Pro Ala Arg Asp Ala Asn Asp Pro Val Asp		
198	35 40 45		
199	Asp Arg His Ala Pro Pro Gly Lys Arg Thr Val Gly Asp Gln Met		
200	50 55 60		
201	Lys Lys Asn Gln Ala Ala Asp Asp Asp Asp Glu Asp Leu Asn Asp		
202	65 70 75		
203	Thr Asn Tyr Asp Glu Phe Asn Gly Tyr Ala Gly Ser Leu Phe Ser		
204	80 85 90		
205	Ser Gly Pro Tyr Glu Lys Asp Asp Glu Glu Ala Asp Ala Ile Tyr		
206	95 100 105		
207	Ala Ala Leu Asp Lys Arg Met Asp Glu Arg Arg Lys Glu Arg Arg		
208	110 115 120		
209	Glu Gln Arg Glu Lys Glu Glu Ile Glu Lys Tyr Arg Met Glu Arg		
210	125 130 135		
211	Pro Lys Ile Gln Gln Phe Ser Asp Leu Lys Arg Lys Leu Ala		
212	140 145 150		
213	Glu Val Thr Glu Glu Glu Trp Leu Ser Ile Pro Glu Val Gly Asp		
214	155 160 165		

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/807,452

DATE: 06/04/2002
TIME: 15:07:27

Input Set : A:\pf0619usn_sequence listing.txt
Output Set: N:\CRF3\06042002\I807452.raw

215 Ala Arg Asn Lys Arg Gln Arg Asn Pro Arg Tyr Glu Lys Leu Thr
216 170 175 180
217 Pro Val Pro Asp Ser Phe Phe Ala Lys His Leu Gln Thr Gly Glu
218 185 190 195
219 Asn His Thr Ser Val Asp Pro Arg Gln Thr Gln Phe Gly Gly Leu
220 200 205 210
221 Asn Thr Pro Tyr Pro Gly Gly Leu Asn Thr Pro Tyr Pro Gly Gly
222 215 220 225
223 Met Thr Pro Gly Leu Met Thr Pro Gly Thr Gly Glu Leu Asp Met
224 230 235 240
225 Arg Lys Ile Gly Gln Ala Arg Asn Thr Leu Met Asp Met Arg Leu
226 245 250 255
227 Ser Gln Val Ser Asp Ser Val Ser Gly Gln Thr Val Val Asp Pro
228 260 265 270
229 Lys Gly Tyr Leu Thr Asp Leu Asn Ser Met Ile Pro Thr His Gly
230 275 280 285
231 Gly Asp Ile Asn Asp Ile Lys Lys Ala Arg Leu Leu Leu Lys Ser
232 290 295 300
233 Val Arg Glu Thr Asn Pro His His Pro Pro Ala Trp Ile Ala Ser
234 305 310 315
235 Ala Arg Leu Glu Glu Val Thr Gly Lys Leu Gln Val Ala Arg Asn
236 320 325 330
237 Leu Ile Met Lys Gly Thr Glu Met Cys Pro Lys Ser Glu Asp Val
238 335 340 345
239 Trp Leu Glu Ala Ala Arg Leu Gln Pro Gly Asp Thr Ala Lys Ala
240 350 355 360
241 Val Val Ala Gln Ala Val Arg His Leu Pro Gln Ser Val Arg Ile
242 365 370 375
243 Tyr Ile Arg Ala Ala Glu Leu Glu Thr Asp Ile Arg Ala Lys Lys
244 380 385 390
245 Arg Val Leu Arg Lys Ala Leu Glu His Val Pro Asn Ser Val Arg
246 395 400 405
247 Leu Trp Lys Ala Ala Val Glu Leu Glu Glu Pro Glu Asp Ala Arg
248 410 415 420
249 Ile Met Leu Ser Arg Ala Val Glu Cys Cys Pro Thr Ser Val Glu
250 425 430 435
251 Leu Trp Leu Ala Leu Ala Arg Leu Glu Thr Tyr Glu Asn Ala Arg
252 440 445 450
253 Lys Val Leu Asn Lys Ala Arg Glu Asn Ile Pro Thr Asp Arg His
254 455 460 465
255 Ile Trp Ile Thr Ala Ala Lys Leu Glu Glu Ala Asn Gly Asn Thr
256 470 475 480
257 Gln Met Val Glu Lys Ile Ile Asp Arg Ala Ile Thr Ser Leu Arg
258 485 490 495
259 Ala Asn Gly Val Glu Ile Asn Arg Glu Gln Trp Ile Gln Asp Ala
260 500 505 510
261 Glu Glu Cys Asp Arg Ala Gly Ser Val Ala Thr Cys Gln Ala Val
262 515 520 525
263 Met Arg Ala Val Ile Gly Ile Gly Ile Glu Glu Asp Arg Lys